

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) An apparatus for generating an angular sweep of a directed propagation of electromagnetic radiation, comprising:
a first reflector adapted to move over a first angular range of movement; and
a first and a second fixed reflector to reflect the directed propagation of electromagnetic radiation incident upon and reflected by the first reflector onto the fixed reflectors and back to the first reflector;

the first fixed reflector is contiguous with the second fixed reflector and the first fixed reflector is angled with respect to the second fixed reflector;

wherein the first angular range of movement of the first reflector creates an increasing sweep of the directed propagation of electromagnetic radiation with each reflection from the first reflector.

2.-3. (Cancelled)

4. (Currently Amended) The apparatus of claim 1, wherein the directed propagation of electromagnetic radiation is selected from ~~the a group consisting of~~ comprising a laser beam, microwave energy, visible light, non-visible light, infra-red radiation, radar waves, radio waves and combinations thereof.

5. (Previously Presented) The apparatus of claim 1, the first reflector and the at least two fixed reflectors are mirrors.

6. (Original) The apparatus of claim 5, wherein the mirrors are planar.

7. (Original) The apparatus of claim 1, wherein a means for oscillation drives the movement of the first reflector.

8. (Original) The apparatus of claim 1, wherein the movement of the first reflector is adapted to have a variable amplitude.

9. (Original) The apparatus of claim 1, wherein the movement of the first reflector is adapted to have a variable frequency.

10. (Original) The apparatus of claim 1, wherein the movement of the first reflector is adapted to have a variable frequency and a variable amplitude.

11. (Previously Presented) The apparatus of claim 1, wherein the distance between the first reflector and at least one of the fixed reflectors is adjustable.

12.-20. (Cancelled)

21. (Previously Presented) An apparatus for generating an angular sweep of a directed propagation of electromagnetic radiation, comprising:

a first reflector adapted to oscillate; and

at least two secondary reflectors;

the first reflector and secondary reflectors disposed to create a reflective path onto and off of the first reflector at least twice;

wherein a distance between the first and at least one of the secondary reflectors is adjustable and at least one of the secondary reflectors is adapted to oscillate.

22. (Previously Presented) The apparatus of claim 1 wherein the directed propagation of electromagnetic radiation is visible electromagnetic radiation, non-visible electromagnetic radiation, or combinations thereof.

23. (Previously Presented) The apparatus of claim 11 wherein at least one reflector is slidable along a track.

24. (Cancelled)

25. (Cancelled)

26. (Previously Presented) The apparatus of claim 21 further comprising a track, wherein the at least one secondary reflector is slidable along the track to adjust the distance.

27. (Previously Presented) The apparatus of claim 21 wherein the at least one of the secondary reflectors is adapted to oscillate at a lower amplitude than the first reflector.

28.-49. (Cancelled)